

**Hugh M. Smith, P.E.**

RCE 44195

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**Objective:**

Achieving excellence in the design and construction of public highway and transportation facilities and make the best use of public and private infrastructure funds in the process of accomplishing those goals.

**Career Highlights/Qualifications:**

Over 30 years of engineering experience in administering transportation and flood control related infrastructure construction projects, many on State or Interstate Highways or on behalf of other local agencies. I have administered these contracts in compliance with local codes and ordinances, state contracting laws and codes, as well as Federal Highway Administration regulations and requirements. During my tenure as the Construction Engineering Division Manager with Riverside County, I have managed highway public works construction program of about \$20, to over \$100 million annually, with an ever increasing variety of funding sources with many different requirements. I have had a staff of about 50 employees including project managers, inspectors, engineers, technicians and clerical support, as well as several consultant engineering firms providing the necessary level of staffing to deliver the County's construction program. I have prepared numerous RFPs and Engineering Services Agreements and selected engineering firms to provide the construction management services for major bridge and interchange improvement projects. In addition to the public works aspects, I also managed development related road construction. Successfully reduced the Transportation Department's average change order rate on the construction program to approximately 4% over the past 17 years from a high of over 12%. As the Construction Division Manager for the County, I have been heavily involved in resolving construction/constructability issues, construction claims, contract disputes and other legal issues, through various forms of negotiation and dispute resolution processes, and occasionally, through more formal court ordered mediation or trial. Completed County administered leadership and mediation training programs.

**Employment:****Construction Engineering Division Manager**

March 2001 - Present

Riverside County Transportation Department

Manage the public works highway construction and field engineering aspects of the Transportation Department. The sections currently managed are; the Construction Inspection, Materials Laboratory, Bonds and Agreements Section and Pavement Management. Until 2007, the Permitting Section of the Department was also under this Division. Prepare budgets, manage both public works contracts and professional engineering services contracts, and confer with subordinate personnel to make the best use of the resources available to accomplish the goals of the Department. Prepare and review contracts for professional engineering services and public works projects, prepare and review subdivision improvement agreements and bonding for development related activities, as well as successfully enforce those agreements upon default. Represent the Department in public meetings on public works construction related issues, on

development construction activities, permitting issues and on legal issues related to the enforcement of agreements and contracts. Review traffic control plans to ensure the safety of the traveling public and compliance with applicable regulations and design guidelines. Review and approve falsework and shoring plans for safety, structural integrity and applicability. Review design plans and specifications for constructability and compliance with applicable design guidelines as well as appropriateness to the situation and long term economics of the design. Investigate and evaluate new technologies in road construction and the associated new materials being developed. Propose, draft and implement policies to better accomplish the demands of a successful public works construction program. Voting representative for Riverside County on the Greenbook Committee.

### **Construction Engineer**

October 1994 - March 2001

Riverside County Transportation Department

As a Senior Civil Engineer, was responsible for managing the Construction Inspection Division and the Bonds and Agreements Section of the Department. Prepared budgets, managed both public works contracts and professional engineering services contracts, and scheduled personnel and projects to make the best use of the resources available to accomplish those tasks. Prepared and reviewed contracts for professional engineering services and public works projects, prepared and reviewed subdivision improvement agreements and bonding for development related activities, as well as successfully enforced those agreements upon default. Instrumental in the significant reduction of the Department's contract change order rate by reviewing the project plans prior to final approval and providing sound engineering decisions during construction to minimize changes to the contract. Represented the Department in public meetings on public works construction related issues, on development construction activities and on legal issues related to the enforcement of agreements and contracts. Prepared and reviewed traffic control plans to ensure the safety of the traveling public and compliance with applicable regulations and design guidelines. Reviewed and approved falsework and shoring plans for safety, structural integrity and applicability. Reviewed design plans and specifications for constructability and compliance with applicable design guidelines as well as appropriateness to the situation and long term economics of the design.

### **Associate Civil Engineer**

May 1989 - October 1994

Riverside County Flood Control and Water Conservation District

While with the Flood Control District, performed several functions related to the design, construction and development of flood control facilities. Designed several flood control facilities including retention basins, storm drains and channels, investigated the structural, hydrological and environmental issues of those facilities. Evaluated the impacts of construction of the flood control facilities to the surrounding properties and the traveling public. Served as the assistant resident engineer of a major dam project for the District. Acted as liaison between the Army Corps of Engineers, the Contractor, Caltrans, the City of Lake Elsinore and the District in a major outflow channel project in Riverside County and provided design and construction direction for changes on the project. Performed design review of plans, hydrologic and hydraulic calculations for developments and their associated drainage facilities and wrote correction letters to developers and their representatives in the development review section of the District. Supervised the inspection staff charged with ensuring compliance with the approved design drawings, District Standards and

Specifications. Performed the field reviews of development related construction and recommended acceptance into the District's Maintenance program.

### **Assistant Bridge Engineer**

March 1985 - May 1989

California Department of Transportation, Sacramento, Ca.

As an Assistant Bridge Engineer for Caltrans, performed many functions related to the design, construction and protection of bridges on the State Highway System as well as provided inspection for the construction of buildings associated with maintenance stations. Designed several bridge structures during an assignment at the Division of Structures in Sacramento. These included designing a precast prestressed bridge widening over a major freeway in the San Francisco area, a post-tensioned prestressed bridge over a creek in Northern California and the strengthening of an existing steel girder composite bridge in the Oakland area. Also performed research on the corrosion protection of bridge deck reinforcing and the protective coatings applied to culverts during an assignment in the Translab of the Department of Transportation. Assigned as the Assistant Resident Bridge Engineer in the construction of the Bridges on the I-15 extension through Norco. Wrote change orders, prepared monthly pay estimates, kept diaries on contractor activities, performed the engineering checks on falsework and resolved most problems that arose during construction. Also, worked as an assistant to the Resident Bridge Engineer on the I-30 and I-215 Interchange in San Bernardino and the Hwy-60 and I-15 Interchange in Mira Loma.

### **Education:**

Bachelor of Science, Civil Engineering, August 1979-December 1984

California State Polytechnic University, Pomona

Member of the student chapters of the American Society of Civil Engineers (ACSE) and the Society of Automotive Engineers (SAE). Active during all years in the Pacific South West Conferences for Civil Engineering Schools. Regularly competed in the Concrete Canoe Construction contest and Popsicle Stick Bridge Construction contest. Participated in the construction of the Cal Poly Rose Parade float in 1980.

### **Skills:**

- Excellent at developing good working relationships within the organization as well as with other agencies, jurisdictions and firms.
- Experienced in administering public works contracts in compliance with the Caltrans Local Programs Manual, FHWA requirements and ARRA requirements.
- Good working knowledge of various funding sources and the general requirements for securing those funds, as well as the requirements to ensure reimbursement of project expenditures.
- Very familiar with the Caltrans Standard Specifications, with particular emphasis on the sections dedicated to the legal aspects of the contract; changes, claims, payment and timelines..

- Excellent knowledge of various construction materials and the ability to evaluate and recommend emerging technologies and materials for use and appropriateness in construction projects.
- Ability to recognize future needs of the organization and effect changes to better meet those needs.
- Ability to motivate staff to accomplish both the short term and the long term goals of the organization.
- Well developed ability to view design plans and to visualize the constructed project to better anticipate construction problems.
- Good working knowledge of software packages related to the design and drawing of highway and drainage facilities.
- Good working knowledge of various project management software packages.
- Ability to develop custom programs, procedures or forms to better suit the needs of the organization.

**Organizations/Activities:**

Voting Member on behalf of Riverside County on the Greenbook Committee

Assistant Scoutmaster BSA Troop 90

Committee Member Venture Crew 90

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